

**Docket No. 272 – Development and Management Plan Inspection**

**The Connecticut Light and Power Company Certificate of Environmental Compatibility and Public Need for the construction of a new 345-kV electric transmission line and associated facilities between Scovill Rock Switching Station in Middletown and Norwalk Substation in Norwalk, Connecticut, including reconstruction of portions of existing 115-kV and 345-kV electric transmission line, the construction of Beseck Switching Station in Wallingford, East Devon Substation in Milford, (and Singer Substation in Bridgeport), modifications at Scovill Rock Switching Station and Norwalk Substation, and the reconfiguration of certain interconnections.**

**Segment 2a Inspection**

**Date:** January 22, 2008

**Inspector:** Matthew Creighton

**Location:** Segment 2a – Beseck Switching Station to Cheshire/Hamden Town Line

**Rainfall:** 0.46” of precipitation was recorded in the week prior to inspection with 0.36” reported on 1/18 (NOAA data at Meriden, CT).

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>	<b>Corrected Action</b>
<b>Access roads and adjacent roadways</b>	<b>Timber mats are in place at wetland crossings and staging areas. 1/22/08</b>	<b>See Erosion Control Section for more details 1/22/08</b>	<b>Not applicable (NA)</b>
<b>Carpenter Ln. to Rte 68</b>	<b>South of Carpenter Ln, some timber mat &amp; stone staging areas remain within wetlands. Hay and seed were applied before snow cover. 1/22/08</b>	<b>Monitor new controls and add silt fence/haybales as needed around disturbed areas. See the erosion control section for more details. 1/22/08</b>	<b>Needs to be monitored.</b>
<b>Durham Rd. Liney Hall Ln.</b>	<b>An equipment bridge crossing remains over the Muddy River tributary and a second bridge is in place off Liney Hall Rd. to access structure #24272. 1/22/08</b>	<b>Continue to monitor and add controls as needed. 1/22/08</b>	<b>NA</b>
<b>Tamarack Swamp Rd.</b>	<b>Plows have pushed snow and associated stone/sediment to the boundaries of the wetlands when clearing the pad. 12/26-1/22/08 Although contained by controls, this is a large amount of stone material potentially outside of the proposed work limits. 1/8-1/22/08</b>	<b>Snow should not be plowed up to or within the wetlands as it will likely result in deposition of sediment. Pull sediment back from this area and ensure controls are in good shape. 12/26-1/22/08</b>	<b>Needs attention.</b>
	<b>New access road installation complete within the pasture east of</b>	<b>Clean/sweep roadway as needed during work and monitor controls at</b>	<b>Needs attention.</b>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Williams; S. Turnpike + Merritt Parkway; Mansion Rd.; Durham Rd.; Stony Brook; Carpenter Ln.; Pent Rd.; Oliver Creek Rd.</p>	<p>the roadway. This includes wetland crossings via culverts. Sediment tracking/stone migration from equipment was noted on the roadway. 1/16-1/22/08</p> <p>No sediment tracking was noted on any of these roadways and the adjacent areas appear stable. Stone construction entrance pads remain in place at entrances. 1/22/08</p>	<p>wetland crossings. 1/16-1/22/08</p> <p>Continue to monitor entrances and sweep as needed. 1/22/08</p>	<p>NA</p>
<p>Pond Hill Rd. Docker Dr.</p>	<p>Exposed soils remain mulched and seeded off Pond Hill Rd. However, controls were not installed at wetlands. ATVs have also been causing ruts and disturbance in areas between Pond Hill Rd and Docker Dr. 12/4-1/22/08</p>	<p>Ensure that mulch cover is sufficient for winter stabilization. Add controls along the recently exposed areas within the wetlands as needed. Evaluate ways to keep ATVs out. Return for final stabilization in the growing season. 12/4-1/22/08</p>	<p>Needs evaluation.</p>
<p>Mansion Rd to Tuttle Ave.</p>	<p>A culvert remains in place to help prevent ponding in the access road. Water bars remain in place across the access road to slow and filter stormwater. 1/22/08</p>	<p>Monitor the area and add controls if needed. 1/22/08</p>	<p>NA</p>
<p>Old Farms Road</p>	<p>Plywood is being used on driveways crossing the ROW to reduce the impact from equipment. 12/18-1/22/08</p> <p>Sediment from active work and tracking was noted on several driveways as well as Old Farms Rd. Add controls to CBs downgradient when working in the area. 12/18-1/22/08</p>	<p>Continue to monitor for sediment on roadway and driveways; continue to use rubber mats or plywood to protect driveways. 12/18-1/22/08</p> <p>Add controls to CBs and sweep sediment as needed.</p> <p>Stabilize exposed soil in the active work area as soon as feasible. 1/22/08</p>	<p>NA at this time.</p> <p>Sediment tracking needs some attention.</p> <p>More CB controls are needed.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Old Farms Rd. (115kV Underground trench-work)</b></p>	<p><b>A new drainage swale/ waterbar was installed at the low, saturated area along driveway (1/15). No turbid water was noted leaving the driveway. 1/22/08</b></p>	<p><b>Monitor new controls for effectiveness and replace as needed. 1/22/08</b></p>	<p><b>NA at this time.</b></p>
	<p><b>Equipment has damaged the access driveway for overhead work. (Since 1/8) New stone has been placed at the access driveway over the pavement to reduce tracking and run-off. 1/22/08</b></p>	<p><b>Remove stone upon completion of work and evaluate and repair the driveway as needed where damaged. 1/22/08</b></p>	<p><b>Needs evaluation and attention upon project completion.</b></p>
	<p><b>The new clearing across a stream (on the way to Cook Hill Jct.) was complete. Mulch and seed were applied for temporary stabilization. 1/22/08</b></p>	<p><b>Monitor this area closely as more controls may be needed to prevent run-off into the stream. 1/22/08</b></p>	<p><b>Mulch and seed were applied. Continue to monitor.</b></p>
	<p><b>The previously hydroseeded area along the shoulder of the roadway is rutted and disturbed from vehicle access. 1/8-1/22/08</b></p>	<p><b>Re-grade ruts and restore the area. 1/8-1/22/08</b></p>	<p><b>Needs attention when feasible.</b></p>
	<p><b>The edge of one homeowner's driveway that was damaged during construction still needs repair. 9/6-1/22/08</b></p> <p><b>The 2<sup>nd</sup> damaged driveway was repaired with asphalt. However, the damaged portion was originally a brick paver and should be consistent 9/6-1/22/08</b></p>	<p><b>Sweep roadway as needed as long as work occurs in the area. Repair the damaged driveway. 9/6-1/22/08</b></p> <p><b>Repair the driveway to the satisfaction of the landowner (e.g replace appropriate material). 9/6-1/22/08</b></p>	<p><b>Needs attention.</b></p> <p><b>Needs attention</b></p>
<p><b>Foundation and site construction</b></p>	<p><b>Contractors were performing line work in the ROW off Old Farms Rd. 1/22/08</b></p>	<p><b>Watch for turbid runoff and sediment tracking on driveways and roadway. See access road and erosion control sections. 1/22/08</b></p>	<p><b>Continue to monitor.</b></p>



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<p>Woodhouse Ave. Harrison Rd.</p>	<p>grounding Controls were replaced around the sediment on 12/26. 1/22/08</p> <p>Snowplows have pushed snow and a large amount of stone and sediment up to the controls at the wetland boundary during clearing. 1/8-1/22/08</p> <p>New access road is complete and the final foundations are being drilled. Access road crosses several small wetlands via culvert. Silt fence was installed at the crossings. 1/22/08</p> <p>The previously seeded stockpile area off Woodhouse Ave. will not become (permanently) stable during winter. Vehicle tracks were noted in the reclaimed areas. 11/27- 1/22/08</p> <p>Controls, including several large fiber rolls remain along the slope and at the sediment trap. Even though the large gully on the slope does not seem to be worsening, it ends at the stream and should be addressed. 9/25-1/22/08</p>	<p>See access road section and avoid pushing snow up to or within wetlands. 12/26-1/22/08                      This is a large amount of material and should be pulled back to avoid encroachment. 1/8-1/22/08</p> <p>Continue to monitor controls installed adjacent to wetlands and used at drill sites. See access roads section. 1/22/08</p> <p>Ensure sufficient stabilization for winter months. Avoid access once an area is temporarily or permanently stabilized. 11/27-1/22/08</p> <p>Continue to monitor and adjust controls as needed. The eroded gully should be graded and stabilized to avoid undermining the controls. 10/2-1/22/08                      Even though it is not worsening, the gully should still be repaired. 1/22/08</p>	<p>Needs attention.</p> <p>Silt fence was installed.</p> <p>NA at this time. Continue to monitor until the growing season</p> <p>Gully needs evaluation/attention but it has not changed size since controls were added.</p>
<p>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5)</p>	<p>Exposed areas remain mulched/seeded off Pond Hill Rd. However, ATVs have been driving over controls and exposed soils creating ruts. 12/4-1/22/08</p>	<p>Add controls as needed along the edge of the wetlands until final stabilization is complete in the growing season. Monitor exposed areas. Additional measures may be needed to prevent ATV traffic and to stabilize soils through</p>	<p>Needs additional evaluation due to ATVs</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Old Farms Rd.</p>	<p>Turbid water was noted ponding at the edge of the controls off Docker Dr. (from 11/6-12/4) Large areas of exposed soils had previously been seeded but it appears most seed/mulch has washed away or been disturbed by ATVs. 11/6-1/22/08</p> <p>Turbid run-off was noted several times (since 11/6) from work near structure #24209, on the access roads, and roadway. A drainage swale is in place (since 1/16) to prevent turbid run-off from the saturated driveway crossing. 1/22/08</p> <p>Soils remain stockpiled upgradient from wetlands onsite with controls in place at the base of the stockpile. However, the stockpile has the potential to overwhelm controls. 12/26-1/22/08</p>	<p>winter. 12/4-1/22/08</p> <p>Maintain controls. Additional mulch is needed this time of year to encourage stabilization 11/6-1/8/08 Measures may be needed to prevent ATV traffic. 12/4-1/22/08 When thaw occurs and soils are exposed, provide stabilization as previously recommended. 1/22/08</p> <p>Stabilize disturbed areas to the extent feasible. Add controls as needed to contain sediment and filter run-off. Monitor receiving catch basins controls. Monitor the new drainage area for effectiveness. 1/22/08</p> <p>Temporarily stabilize soils in this active area as soon as possible. 12/26-1/22/08</p> <p>Ensure that spoil piles are not stored within 100 feet of wetlands. 1/22/08</p>	<p>Needs evaluation/attention.</p> <p>Continue to monitor.</p> <p>Stockpiles need evaluation.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>Jurisdictional wetlands can be accessed now that ACOE permit is in hand.</p> <p>In accordance with the D&amp;M Plan, all work occurring in and around wetlands should be expedited to minimize potential adverse impacts to wetlands and reduce disturbances to wetland soils. This includes attending to restoration of adjacent upland areas when work is complete. 1/22/08</p>	<p>Approved work in wetlands will follow the permit guidelines. 1/22/08</p> <p>Final stabilization and reclamation efforts should occur in completed areas in and around wetlands. Any additional work needed in and around wetlands should be expedited to allow for final stabilization procedures to commence. Any stabilization at this time will have to account for winter months. 1/22/08</p>	<p>NA</p> <p>Needs to be evaluated.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
Carpenter Ln. to Rte 68	<p>Sections of ROW are located within the McKenzie Watershed Protection District of the Town of Wallingford from existing pole #8798 to Beseck SS. 1/22/08</p>	<p>This area should be closely monitored. Monitor equipment for leaks whenever working in these sensitive areas. Refuel and store equipment outside of the district. 1/22/08</p>	<p>Needs to be monitored</p>
Durham Rd. Liney Hall Ln.	<p>Some of the timber mat staging areas remain in place within wetlands off Carpenter Ln. Haybales have been replaced and disturbed areas were re-mulched and seeded prior to the snow cover. 1/22/08</p>	<p>Monitor for run-off. Continue to remove any staging areas from the wetlands as soon as feasible and monitor for sufficient stabilization through the winter.. 1/22/08</p>	<p>Continue to expedite work here.</p>
Tamarack Swamp Road	<p>Timber mats are in place at the wetland crossings in these sections and well installed bridges are in place for two larger stream channels. 1/22/08</p>	<p>Continue to monitor and add controls as needed. Monitor the bridge surface for sediment tracking. 1/22/08</p>	<p>NA</p>
	<p>Pad and adjacent controls remain within wetlands. In two separate occasions, during active work, sediment was pushed over controls into wetlands. Controls were replaced around the sediment each time but the encroachments were not removed. 12/26-1/22/08</p>	<p>Area is sensitive and should be monitored closely. Pull soil back before installing new controls, do not just encompass it. 12/4-1/22/08 Ensure that the potential encroachments are covered under the permit. 12/26-1/22/08</p>	<p>The encroachment needs evaluation</p>
	<p>New access road/ wetland crossings (with culverts) have been installed to the east. Controls are in place adjacent to the work. 1/22/08</p>	<p>Monitor controls and ensure there are sufficient to prevent run-off from the road to adjacent wetlands. Crossings need to be removed/restored when access is complete. 1/22/08</p>	<p>NA at this time.</p>
Powers Rd. & Woodhouse Ave.	<p>In the process of removing timber mats, sediment was pushed over some controls (8/28). Soils exposed by</p>	<p>Remove the stone from the wetlands to the extent feasible (recommended since 9/25) However, crews will be returning</p>	<p>Further attention is needed here during final stabilization.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
<p>Mansion Rd to Tuttle Ave.</p> <p>Old Farms Rd.</p>	<p>timber mat removal were seeded, but not all stone was removed from the wetland prior to seeding (noted 9/25) Now the area has well-established grass cover. 10/10-1/22/08</p> <p>Several wetland crossings are in place. 1/22/08</p> <p>Wetland clearing and crossing complete via an existing bridge and culvert. Disturbed areas were mulched and seeded. 1/22/08</p>	<p>here for line work, potentially disturbing the area again before final stabilization. 10/10-1/22/08</p> <p>Monitor and maintain new controls. Crossings will need to be restored when access needs are complete. 1/22/08</p> <p>Additional controls may be needed to prevent run-off from any soil disturbance. See access road and erosion control sections. 1/22/08</p>	<p>NA at this time.</p> <p>Cleared areas were mulched.</p>
<p>State species of concern, threatened and endangered species.</p> <p>Liney Hall Rd</p> <p>Woodhouse Ave; Harrison Rd. Mansion Rd. to Tuttle Ave</p>	<p>A no entry sign remains near the potential vernal pool off Stony Brook Rd. as an appropriate alternative to construction fencing. 1/22/08</p> <p>Several frog and salamander egg masses were previously noted within prime amphibian breeding habitat, located off Liney Hall Ln. This is not a state listed species issue but indicates good amphibian breeding habitat. 1/22/08</p> <p>Evidence of Eastern box turtles has been confirmed off Woodhouse Ave on 5/8/07 and in the section between Mansion Rd. and Tuttle Ave on 7/17/07. 1/22/08</p>	<p>Continue to monitor area and retain distance from active work. 1/22/08</p> <p>Prevent turbidity and direct impacts to these areas to the extent feasible. 1/22/08</p> <p>Both areas should receive the same attention as known protected habitat area along the ROW. The dormant season began Nov. 1<sup>st</sup> and sweeps for turtles are not required until active season begins in April. 1/22/08</p>	<p>NA</p> <p>NA</p> <p>NA at this time.</p>



Areas of Inspection	Observation	Recommended Action	Corrected Action
<p><b>Vegetative clearing or stabilization</b></p> <p>Most work areas have been cleared</p> <p>Woodhouse Ave and Harrison Rd.</p> <p>Pond Hill Rd. &amp; Docker Dr. (I 91 – Rte. 5) Pent Rd. &amp; Oliver Creek Rd.</p> <p>Old Farms Rd. (115kV Underground trench-work)</p>	<p>Vegetation was preserved in areas where invasive species were not dominant. 1/22/08</p> <p>Work is complete, at least temporarily, in many areas along the route. However, crews have returned for activities off Tamarack Swamp and Old Farms. 1/22/08</p> <p>As requested by state representatives and Siting Council staff, native shrubs were planted (9/18) in clusters to provide shading for Allen Brook. 1/22/08</p> <p>Some large areas of exposed soil areas off Docker Dr. had minor grass growth prior to winter, however, most of the previously applied seed/hay appears to have washed away and turbid run-off was resulting. 11/6- 1/22/08</p> <p>Soil remains exposed here as active work is occurring. 1/22/08 Previously hydroseeded areas along the shoulders of Old Farms Rd. also have ruts and disturbance. 12/26- 1/22/08</p> <p>New clearing was complete across a stream. Mulch and seed were applied for temporary stabilization. 1/22/08</p>	<p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&amp;M plan. Be extremely mindful of the extent of clearing flags. 1/22/08</p> <p>The D&amp;M states that areas should be temporarily stabilized if work will not return in 21 days. At this time, winter stabilization measures will be needed (including mulch w/binders or erosion control mats as needed). 12/4-1/22/08</p> <p>Continue to monitor and replace shrubs if needed. 1/22/08</p> <p>See erosion control section. Apply additional mulch with binders or erosion control mats as applicable to encourage stabilization at this time of year. 11/20-1/22/08</p> <p>See erosion control section. Encourage stabilization as soon as feasible wherever work is complete in this section. 1/22/08 Regrade the disturbed/rutted area and stabilize. 1/22/08</p> <p>Retain vegetation where feasible; confirm that cutting is limited only to areas defined in D&amp;M plan (20ft in this</p>	<p>NA</p> <p>Needs attention within timelines provided.</p> <p>NA at this time.</p> <p>Needs additional attention when snow cover is gone.</p> <p>Some controls were installed but needs additional attention</p> <p>Needs to be monitored.</p>

Areas of Inspection	Observation	Recommended Action	Corrected Action
		location). Be extremely mindful of the extent of clearing 1/22/08	
<b>Dewatering</b>	<b>Dewatering appears complete as the majority of foundations have been installed at this time except off Tamarack Swamp Rd. 1/22/08</b>	<b>Remove and stabilize old dewatering pits as necessary, if dewatering is completed in the area. Maintain and use the dewatering pits as needed.1/22/08</b>	<b>NA at this time. Work should shift to restoration.</b>
<b>Blasting</b>	<b>No blasting is proposed. 1/22/08</b>	<b>None</b>	<b>NA</b>
<p data-bbox="188 737 380 800"><b>Spills, soils and material storage</b></p> <p data-bbox="188 1031 350 1058"><b>All Active Sites</b></p> <p data-bbox="188 1293 345 1320"><b>Old Farms Rd.</b></p>	<p data-bbox="488 737 794 863"><b>Spill control materials are being brought to sites when work is performed. 1/22/08</b></p> <p data-bbox="488 1026 797 1247"><b>Many active sites continue to have small stockpiles associated with drilling and stored equipment during the construction process. 1/22/08</b></p> <p data-bbox="488 1314 797 1566"><b>Soil continues to be stockpiled upgradient of the wetlands but controls remain in place. However the amount of soil has the potential to overwhelm the controls. 12/26-1/22/08</b></p> <p data-bbox="488 1604 797 1944"><b>A drill rig parked on the ROW is leaking hydraulic fluid (noted since 12/31) A plastic tarp and timber mats were in place under the equipment (noted since 1/16). However, the drips are not contained and are washing off the plastic to the ground. 1/22/08</b></p>	<p data-bbox="823 737 1131 989"><b>Always use spill control materials when working on equipment and during refueling. Replace as needed. Check equipment daily for leaks and repair as soon as possible. 1/22/08</b></p> <p data-bbox="823 1026 1115 1278"><b>Monitor equipment closely for leaks as they move from site to site to prevent repeated problems. Always contain and control stockpiles as soon as possible. 1/22/08</b></p> <p data-bbox="823 1314 1131 1566"><b>Continue to keep storage materials away from wetlands. Remove soil when feasible. Ensure it is not within 100 feet of wetlands. See erosion control section. 12/26-1/22/08</b></p> <p data-bbox="823 1604 1115 1919"><b>Add controls to contain the leak and repair equipment as soon as possible. Clean and remove affected soil. 12/31-1/22/08</b> <b>The plastic tarp is not effective in this case. Absorbent spill pads are needed. 1/16-1/22/08</b></p>	<p data-bbox="1156 737 1443 764"><b>Needs regular attention.</b></p> <p data-bbox="1156 1026 1411 1121"><b>Continue to monitor throughout construction.</b></p> <p data-bbox="1156 1314 1435 1341"><b>Needs to be monitored</b></p> <p data-bbox="1156 1604 1422 1761"><b>Plastic tarps were placed under the equipment but drips are still washing off to the ground.</b></p> <p data-bbox="1156 1793 1403 1820"><b>Still needs attention.</b></p>





**Carpenter Lane: Haybales remain at the wetland outlet. ATVs continue to damage controls and leave tracks in wetlands.**



**Tamarack Swamp Rd: New access road installation is complete. Wetland crossings were noted via culverts with controls. Sediment tracking was noted on the roadway and needs regular attention.**



**Tamarack Swamp: Controls noted along the pad and access road at wetland crossings. Wetland crossings will need to be removed and restored when access needs are complete.**



**Tamarack Swamp: Foundation drilling underway. Small stockpiles associated with drilling were noted. Controls are in place.**





**Old Farms Rd: Line work was underway.**



**Old Farms Rd: View of the recently cleared wetland crossing. Mulch and seed were used for stabilization**



**Old Farms Rd: Line work was underway at several sections in the ROW.**



**Old Farms Rd: Leaking equipment has a plastic tarp to contain drips. However, fluid is still washing onto the ground off the tarp. Leak should be repaired as soon as possible.**